

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
October
2008

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of publication date on December 2011. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of October 2008.

Statewide precipitation was about 60 percent of average for the 2007 - 2008 water-year through October 31. Statewide runoff was 55 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "http://cdec.water.ca.gov/snow_rain.html".

Snowpack and runoff data are compiled four times a year, for the months of January, February, March, and April, by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of the volume of seasonal runoff from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State.

Statewide reservoir storage was 70% of average to date. Total storage in major SWP reservoirs at the end of October 2008 was about 1.71 maf, compared with about 2.25 maf at this time in 2007. On October 31, 2008, end-of-month storage at Lake Oroville was about 1.03 maf, as compared to 1.45 maf at this time in 2007. The State share of San Luis Reservoir's end-of-month storage was about 147 taf, as compared with 483 taf at this time in 2007. The combined storage in SWP's southern reservoirs was about 535 taf, compared with about 594 taf at this time in 2007.

SWP water deliveries to date through October 2008 were about 2.61 maf. This is a combination of project, transfer, and exchange waters. Total deliveries through this same period in 2007 were 3.93 maf.

The Coordinated Operations Agreement (COA) remained in "Balanced" conditions throughout the end of 2008.

On October 10, the Hyatt river valve flow was increased from 250 cfs to 1250 cfs at 1630 hrs. This was done for water temperature control at the Fish Hatchery.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Sep 30	4993.21	15,228								
1	4993.15	15,184	-44	10	0	0	0	5	15	
2	4993.14	15,177	-7	10	0	0	0	5	15	
3	4993.12	15,162	-15	10	0	0	0	5	15	
4	4993.12	15,162	0	10	0	0	0	5	15	
5	4993.07	15,125	-37	10	0	0	0	4	14	
6	4993.03	15,096	-29	10	0	0	0	4	14	
7	4992.99	15,066	-30	10	0	0	0	4	14	
8	4992.96	15,044	-22	10	0	0	0	4	14	
9	4992.91	15,008	-36	10	0	0	0	4	14	
10	4992.85	14,964	-44	10	0	0	0	4	14	
11	4992.82	14,942	-22	10	0	0	0	4	14	
12	4992.79	14,920	-22	10	0	0	0	4	14	
13	4992.75	14,891	-29	10	0	0	0	4	14	
14	4992.71	14,862	-29	10	0	0	0	4	14	
15	4992.61	14,789	-73	10	0	0	0	4	14	
16	4992.57	14,760	-29	10	0	0	0	4	14	
17	4992.53	14,731	-29	10	0	0	0	4	14	
18	4992.50	14,710	-21	10	0	0	0	4	14	
19	4992.46	14,681	-29	10	0	0	0	4	14	
20	4992.43	14,659	-22	10	0	0	0	4	14	
21	4992.39	14,630	-29	10	0	0	0	4	14	
22	4992.37	14,616	-14	10	0	0	0	4	14	
23	4992.34	14,594	-22	10	0	0	0	4	14	
24	4992.28	14,551	-43	10	0	0	0	4	14	
25	4992.25	14,530	-21	10	0	0	0	4	14	
26	4992.22	14,508	-22	10	0	0	0	4	14	
27	4992.18	14,480	-28	10	0	0	0	4	14	
28	4992.14	14,451	-29	10	0	0	0	4	14	
29	4992.11	14,430	-21	10	0	0	0	4	14	
30	4992.10	14,423	-7	10	0	0	0	4	14	
31	4992.08	14,408	-15	10	0	0	0	4	14	
Total cfs-days				---	310	0	0	128	438	
Total ac-ft				-820	615	0	0	253	868	
									48	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right					
Sep 30	5565.05	26,196									
1	5564.97	26,117	-79	2	18	0	0	6	26	-14	
2	5564.93	26,077	-40	2	17	0	0	6	25	5	
3	5564.89	26,038	-39	2	16	0	0	6	24	4	
4	5564.85	25,998	-40	2	16	0	0	6	24	4	
5	5564.80	25,949	-49	2	16	0	0	6	24	-1	
6	5564.75	25,900	-49	2	14	0	0	6	22	-3	
7	5564.71	25,860	-40	2	13	0	0	6	21	1	
8	5564.67	25,821	-39	2	13	0	0	6	21	1	
9	5564.62	25,772	-49	2	13	0	0	6	21	-4	
10	5564.58	25,733	-39	2	6	0	0	6	14	-6	
11	5564.55	25,704	-29	2	2	0	0	6	10	-5	
12	5564.54	25,694	-10	2	2	0	0	6	10	5	
13	5564.50	25,655	-39	2	2	0	0	6	10	-10	
14	5564.48	25,635	-20	2	2	0	0	6	10	0	
15	5564.47	25,625	-10	2	2	0	0	6	10	5	
16	5564.45	25,606	-19	2	2	0	0	6	10	0	
17	5564.43	25,586	-20	2	2	0	0	6	10	0	
18	5564.42	25,577	-9	2	2	0	0	6	10	5	
19	5564.42	25,577	0	2	2	0	0	5	9	9	
20	5564.41	25,567	-10	2	2	0	0	5	9	4	
21	5564.40	25,557	-10	2	2	0	0	5	9	4	
22	5564.39	25,547	-10	2	2	0	0	5	9	4	
23	5564.37	25,528	-19	2	2	0	0	5	9	-1	
24	5564.35	25,508	-20	2	2	0	0	5	9	-1	
25	5564.33	25,489	-19	2	2	0	0	5	9	-1	
26	5564.31	25,469	-20	2	2	0	0	5	9	-1	
27	5564.30	25,460	-9	2	2	0	0	5	9	4	
28	5564.28	25,440	-20	2	2	0	0	5	9	-1	
29	5564.27	25,430	-10	2	2	0	0	5	9	4	
30	5564.23	25,391	-39	2	2	0	0	5	9	-11	
31	5564.22	25,382	-9	2	2	0	0	5	9	4	
Total cfs-days				---	62	184	0	0	173	419	
Total ac-ft				-814	123	365	0	0	343	831	
										17	

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract 1/	Water Right 2/					
Sep 30	5761.70	40,008									
1	5761.67	39,929	-79	8	1	2	0	11	22	-18	
2	5761.66	39,903	-26	8	1	2	0	11	22	9	
3	5761.66	39,903	0	8	1	2	0	11	22	22	
4	5761.73	40,087	184	8	1	2	0	11	22	114	
5	5761.71	40,035	-52	8	1	2	0	11	22	-5	
6	5761.66	39,903	-132	8	1	2	0	10	21	-46	
7	5761.64	39,850	-53	8	1	2	0	10	20	-6	
8	5761.62	39,798	-52	10	0	0	0	10	20	-6	
9	5761.61	39,771	-27	10	0	0	0	10	20	6	
10	5761.59	39,692	-79	10	0	0	0	10	20	-20	
11	5761.57	39,666	-26	10	0	0	0	10	20	7	
12	5761.53	39,561	-105	10	0	0	0	10	20	-33	
13	5761.50	39,483	-78	10	0	0	0	10	20	-19	
14	5761.48	39,430	-53	10	0	0	0	10	20	-7	
15	5761.45	39,352	-78	10	0	0	0	10	20	-19	
16	5761.44	39,326	-26	10	0	0	0	10	20	7	
17	5761.43	39,300	-26	10	0	0	0	10	20	7	
18	5761.42	39,274	-26	10	0	0	0	10	20	7	
19	5761.40	39,222	-52	10	0	0	0	10	20	-6	
20	5761.39	39,195	-27	10	0	0	0	10	20	6	
21	5761.37	39,143	-52	10	0	0	0	10	20	-6	
22	5761.36	39,117	-26	10	0	0	0	10	20	7	
23	5761.34	39,065	-52	10	0	0	0	10	20	-6	
24	5761.33	39,039	-26	10	0	0	0	10	20	7	
25	5761.31	38,987	-52	10	0	0	0	10	20	-6	
26	5761.29	38,936	-51	10	0	0	0	10	20	-6	
27	5761.27	38,884	-52	10	0	0	0	10	20	-6	
28	5761.25	38,832	-52	10	0	0	0	10	20	-6	
29	5761.25	38,832	0	10	0	0	0	10	20	20	
30	5762.21	38,728	-104	10	0	0	0	10	20	-32	
31	5761.27	38,884	156	10	0	0	0	10	20	99	
Total cfs-days				---	288	5	21	0	315	629	
Total ac-ft				-1,124	572	9	42	0	624	1,248	
										124	

1/ Includes 9 AF to Grizzly Ranch and 0 AF to Plumas County.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow		
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/	
Sep 30	678.39	1,097,190											
1	678.40	1,097,259	69	3,177	32	0	0	140	0	3,349	0	3,418	
2	678.35	1,096,912	-347	3,136	26	0	0	154	0	3,316	0	2,969	
3	678.30	1,096,565	-347	4,633	22	0	0	114	0	4,769	0	4,422	
4	678.20	1,095,871	-694	6,408	22	0	0	69	0	6,499	0	5,805	
5	677.90	1,093,791	-2,080	7,316	22	0	0	50	0	7,388	0	5,308	
6	677.50	1,091,022	-2,769	4,878	22	0	0	74	0	4,974	0	2,205	
7	677.00	1,087,568	-3,454	5,168	22	0	0	94	0	5,284	0	1,830	
8	676.97	1,087,361	-207	2,310	20	0	0	133	0	2,463	0	2,256	
9	677.10	1,088,258	897	3,571	20	0	0	89	0	3,680	0	4,577	
10	676.90	1,086,878	-1,380	5,952	20	0	0	153	0	6,125	0	4,745	
11	676.40	1,085,499	-1,379	1,545	20	0	0	108	0	1,673	0	294	
12	676.65	1,085,154	-345	1,835	20	0	0	133	0	1,988	0	1,643	
13	676.75	1,085,843	689	2,445	20	0	0	114	0	2,579	0	3,268	
14	676.65	1,085,154	-689	2,695	20	0	0	153	0	2,868	0	2,179	
15	676.52	1,084,259	-895	3,739	20	0	0	84	0	3,843	0	2,948	
16	676.33	1,083,777	-482	1,101	20	0	0	113	0	1,234	0	752	
17	676.75	1,085,843	2,066	2,616	20	0	0	98	0	2,734	0	4,800	
18	676.95	1,087,223	1,380	4,203	20	0	0	138	0	4,361	0	5,741	
19	676.92	1,087,016	-207	3,224	20	0	0	114	0	3,358	0	3,151	
20	677.08	1,088,120	1,104	6,334	14	0	0	84	0	6,432	0	7,536	
21	676.05	1,083,089	-5,031	6,077	12	0	0	59	0	6,148	0	1,117	
22	675.35	1,076,223	-6,866	6,841	12	0	0	176	0	7,029	0	163	
23	674.50	1,070,411	-5,812	6,884	12	0	0	152	0	7,048	0	1,236	
24	673.65	1,066,321	-4,090	5,461	12	0	0	127	0	5,600	0	1,510	
25	672.80	1,061,564	-4,757	5,015	12	0	0	92	0	5,119	0	362	
26	672.70	1,058,175	-3,389	4,156	12	0	0	116	0	4,284	0	895	
27	672.28	1,055,335	-2,840	6,413	12	0	0	96	0	6,521	0	3,681	
28	671.50	1,050,073	-5,262	7,880	12	0	0	77	0	7,969	0	2,707	
29	670.30	1,042,013	-8,060	9,155	11	0	1	120	0	9,287	0	1,227	
30	668.85	1,034,664	-7,349	7,588	11	0	1	95	0	7,695	0	346	
31	668.38	1,029,201	-5,463	6,734	12	0	1	0	0	6,747	0	1,284	
Total				-67,989	148,490	544	0	3	3,319	0	152,356	0	84,367

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

October 2008

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Sep 30	23,394										
1	23,928	534	3,177	0	0	1,110	0	6	1,838	0	311
2	24,104	176	3,136	0	0	1,800	0	6	1,428	0	274
3	23,291	-813	4,633	192	0	4,744	1	6	1,319	0	432
4	22,318	-973	6,408	369	0	6,814	1	6	1,347	0	418
5	24,326	2,008	7,316	43	0	4,678	1	6	1,349	0	683
6	24,411	85	4,878	178	0	5,360	1	6	1,354	0	1,750
7	24,399	-12	5,168	455	0	5,964	1	6	1,358	0	1,694
8	24,345	-54	2,310	453	0	3,293	1	6	1,384	0	1,867
9	24,124	-221	3,571	465	0	4,804	1	6	1,378	0	1,932
10	24,221	97	5,952	465	0	7,098	1	6	1,384	0	2,169
11	24,010	-211	1,545	464	0	2,800	1	6	1,370	0	1,957
12	23,784	-226	1,835	475	0	3,078	1	6	1,388	0	1,937
13	23,203	-581	2,445	12	0	0	1	6	1,366	0	-1,665
14	23,224	21	2,695	0	0	3,268	1	6	1,376	0	1,977
15	23,452	228	3,739	0	0	4,060	1	6	1,366	0	1,922
16	23,670	218	1,101	0	0	524	1	6	1,362	0	1,010
17	23,381	-289	2,616	0	0	1,452	1	6	1,360	0	-86
18	24,132	751	4,203	0	0	1,996	1	6	1,360	0	-89
19	23,393	-739	3,224	0	0	2,946	1	6	1,360	0	350
20	23,638	245	6,334	0	0	5,496	1	6	1,360	0	774
21	23,362	-276	6,077	0	0	6,023	1	6	1,352	0	1,029
22	23,748	386	6,841	0	0	6,094	1	6	1,350	0	996
23	23,600	-148	6,884	0	0	6,662	1	6	1,350	0	987
24	23,837	237	5,461	0	0	4,842	1	6	1,307	0	932
25	23,568	-269	5,015	0	0	5,038	1	6	1,249	0	1,010
26	23,985	417	4,156	0	0	3,994	1	6	1,251	0	1,513
27	23,618	-367	6,413	0	0	6,596	1	6	1,255	0	1,078
28	23,121	-497	7,880	0	0	8,248	1	6	1,269	0	1,147
29	23,668	547	9,155	0	0	8,546	1	6	1,265	0	1,210
30	23,792	124	7,588	48	0	7,608	1	7	1,271	0	1,375
31	24,012	220	6,734	35	0	6,732	1	7	1,273	0	1,464
Total		618	148,490	3,654	0	141,668	29	188	41,999	0	32,358

1/ Sum of Thermalito Forebay and Diversion Pool.

3/ Includes Bypass flows at Thermalito.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Sep 30	131.44	37,104										
1	130.77	34,758	-2,346	1,110	897	0	123	365	2,023	0	-48	3,861
2	130.14	32,618	-2,140	1,800	885	0	121	389	2,400	0	-145	3,828
3	130.51	33,867	1,249	4,744	857	0	202	400	2,579	0	543	3,898
4	131.17	36,150	2,283	6,814	863	0	236	420	2,559	0	-453	3,906
5	131.30	36,608	458	4,678	859	0	234	415	2,559	0	-153	3,908
6	131.60	37,675	1,067	5,360	847	0	236	419	2,559	0	-232	3,913
7	132.07	39,375	1,700	5,964	805	0	296	417	2,559	0	-187	3,917
8	131.83	38,503	-872	3,293	817	0	350	446	2,559	0	7	3,943
9	131.91	38,792	289	4,804	815	0	381	468	2,559	0	-292	3,937
10	132.62	41,409	2,617	7,098	833	0	468	488	2,559	0	-133	3,943
11	132.13	39,595	-1,814	2,800	881	0	512	492	2,559	0	-170	3,929
12	131.71	38,070	-1,525	3,078	902	0	510	488	2,539	0	-164	3,927
13	131.35	36,785	-1,285	0	930	0	512	528	2,559	0	3,244	3,925
14	130.90	35,208	-1,577	3,268	1,008	0	557	659	2,539	0	-82	3,915
15	130.55	34,004	-1,204	4,060	1,115	0	609	764	2,559	0	-217	3,925
16	129.16	29,417	-4,587	524	1,166	0	609	936	2,341	0	-59	3,703
17	127.96	25,711	-3,706	1,452	1,202	0	599	1,081	2,142	0	-134	3,502
18	126.83	22,439	-3,272	1,996	1,208	0	601	1,137	2,142	0	-180	3,502
19	126.01	20,199	-2,240	2,946	1,208	0	599	1,137	2,142	0	-100	3,502
20	126.08	20,386	187	5,496	1,263	0	551	1,297	1,964	0	-234	3,324
21	126.23	20,789	403	6,023	1,279	0	496	1,581	1,761	0	-503	3,113
22	126.52	21,579	790	6,094	1,299	0	482	1,642	1,747	0	-134	3,097
23	127.01	22,946	1,367	6,662	1,208	0	486	1,682	1,753	0	-166	3,103
24	126.74	22,188	-758	4,842	1,228	0	520	1,811	1,763	0	-278	3,070
25	126.61	21,827	-361	5,038	1,226	0	472	1,841	1,742	0	-118	2,991
26	126.11	20,466	-1,361	3,994	1,226	0	450	1,841	1,745	0	-93	2,996
27	126.51	21,552	1,086	6,596	1,333	0	496	1,779	1,761	0	-141	3,016
28	127.42	24,121	2,569	8,248	1,394	0	543	1,742	1,751	0	-249	3,020
29	128.42	27,104	2,983	8,546	1,470	0	567	1,724	1,761	0	-41	3,026
30	129.04	29,036	1,932	7,608	1,531	0	633	1,740	1,555	0	-217	2,826
31	129.65	30,998	1,962	6,732	1,402	0	653	1,555	1,367	0	207	2,640
Total		-6,106	141,668	33,960	0	14,100	31,680	67,107	0	-927	109,106	

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

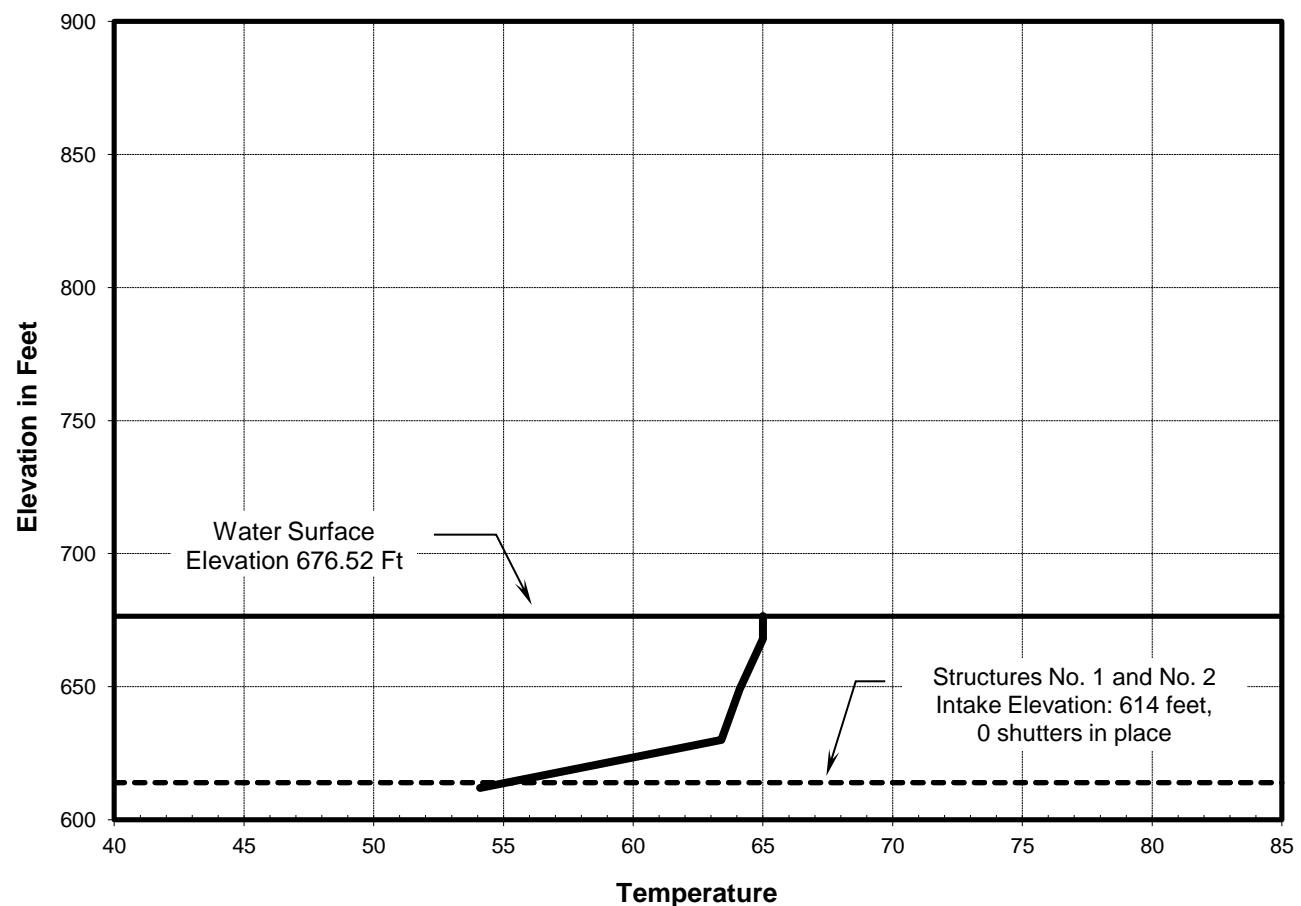
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

October 2008

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	52	51.9
2	51	51.4
3	51	51.2
4	53	53.5
5	60	54.2
6	64	53.9
7	64	51.2
8	65	51.7
9	63	51
10	59	51.5
11	57	53.2
12	56	50
13	56	49.4
14	56	49.1
15	57	49.2
16	58	51
17	58	50.4
18	59	51.8
19	59	53.7
20	59	53.2
21	58	53.9
22	58	51.6
23	58	52
24	58	52.8
25	59	51.9
26	59	51.3
27	59	50.3
28	59	51.9
29	58	53.6
30	57	53.3
31	56	52

**Lake Oroville Temperature Profile
on October 15, 2008**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

October 2008

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Article 56C	General Conveyance	Dry Purchase	Permit	
	No.	Structure	Mile								
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	5,776	370	1,765	188	222	222	
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	222						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	370						
				Solano County Water Agency Fairfield / Vacaville 42"	1,953						
2			17.00	Solano County Water Agency Central Solano	Stub						
3A	2	Cordelia Forebay	21.23			1/ 10	1,132	1,126	1,126	1,126	
		Cordelia Pumping Plant & Cordelia Spillway	21.30		3,107						
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	1,136						
				Solano County Water Agency Benicia	1,132						
		Cordelia Surge Tank	23.33								
3B	2	Creston Surge Tank Connection	25.65			333	503	3	3	3	
			26.95	Napa County Flood Control & WCD American Canyon 2	333						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	503						
			27.60	Napa County Flood Control & WCD American Canyon 1	3						

1/ Napa Co. FC&WCD Entitlement through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

October 2008

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	229	116	1,112	1,112	442	0	0	0
2	213	113	915	915	449	0	0	0
3	200	110	1,115	1,115	441	0	0	0
4	216	114	1,136	1,136	169	0	0	38
5	183	108	1,076	1,076	394	0	0	0
6	179	94	1,259	1,259	396	0	0	0
7	173	95	1,075	1,075	376	0	0	12
8	173	92	1,070	1,070	421	0	0	2
9	169	92	1,099	1,099	451	63	0	0
10	194	115	1,120	1,120	498	105	0	0
11	198	114	1,072	1,072	482	103	0	0
12	197	113	1,626	1,626	485	103	0	0
13	195	111	1,092	1,092	436	103	0	0
14	169	102	1,092	1,092	399	103	0	0
15	55	40	1,077	1,077	388	103	0	0
16	90	48	1,246	1,246	444	103	0	0
17	172	90	1,175	1,175	498	103	0	0
18	213	115	1,089	1,089	505	103	0	0
19	210	113	1,081	1,081	492	103	0	0
20	172	111	1,092	1,092	538	103	0	0
21	197	104	1,073	1,073	291	35	0	10
22	203	102	1,073	1,073	429	0	0	6
23	206	102	1,074	1,074	485	0	0	0
24	203	98	751	751	492	0	0	0
25	211	108	751	751	479	0	0	0
26	182	91	904	904	433	0	0	0
27	180	88	779	779	440	0	0	0
28	206	108	781	781	423	0	0	0
29	203	105	781	781	372	0	0	0
30	206	102	782	782	347	0	0	0
31	179	93	777	777	344	0	0	0
Total	5,776	3,107	32,145	32,145	13,239	1,234	0	68

Table 10. Clifton Court Forebay

Daily Operation of Gates

October 2008

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	2:05	4:20	5:30	9:00	9:30			1,169
2	0:01	3:00	15:26	15:55					1,187
3	0:01	2:30							1,180
4	0:15	2:30							1,178
5	7:10	8:45	11:55	15:00					1,160
6	1:45	4:00							1,187
7	2:00	4:15							1,172
8	0:03	5:40							1,185
9	4:30	9:00							1,185
10	7:00	10:10	12:10	13:30					1,155
11	0:25	2:15	7:00	13:00					1,180
12	0:40	3:00	8:00	10:10					1,181
13	1:30	4:00							1,178
14	2:00	4:30							1,178
15	7:30	9:20							1,180
16	0:05	1:15	8:15	10:45					1,182
17	0:05	2:20	11:00	12:50					1,172
18	0:01	3:00	10:00	11:14					1,175
19	0:01	3:20							1,167
20	0:45	4:30							1,178
21	1:45	5:30							1,163
22	3:00	7:20	14:15	15:39					1,172
23	5:10	7:55	15:15	16:22					1,189
24	0:01	1:15	12:15	13:15					773
25	0:01	2:15							772
26	8:20	12:04							775
27	0:05	6:59							779
28	7:10	9:31							791
29	6:45	8:51							783
30	0:01	1:30							778
31	0:01	2:00							776
Total inflow for the month in AF:									33,280

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

October 2008

(In acre-feet)

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	USBR	Dry Purchase	General Conveyance	Local Other		
	No.	Structure	Mile								
1A			1.83	Byron-Bethany I.D.	1,070						
1	1	Banks Pumping Plant	3.32		32,145	53	17	90	1,070		
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	13,239						
		Check No. 1	5.95								
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0						
	2	Check No. 2	12.01								
	3		12.47	Musco Olive	53						
		Check No. 3	18.29								
	4		22.16	Tracy Golf & Country Club	0						
		Check No. 4	23.99								
2A	5	Check No. 5	29.73								
	6	Check No. 6	34.24								
	7		35.22	Turlock Fruit Company Inflow	0						
		Check No. 7	39.91								
	8		42.46	Oak Flat Water District-A	17		21				
			42.9	Western Hills WD	90						
			43.81	Oak Flat Water District-B	21						
			44.64	Oak Flat Water District-C	0						
		Check No. 8	45.97								
	9		46.18	Oak Flat Water District-D	6		6				
				Oak Flat Totals:	44						
2B	Check No. 9	51.3									
	10	Check No. 10	56.86								
	11	Check No. 11	61.4								
	12		66.14	Veteran's Cemetery	13		13				
		Check No. 12	66.71		16,571						

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

October 2008

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending		Mile			Table A	Dry Purchase	Recovery 1/	Transfer 2/	Article 56C	Local	Recreation		
	No.	Structure												
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	13,239	5	10	952	41	7	7	168		
			3.17	Granite - Vasco Rd. (Temp.)	0									
			3.18	Oakland Scavenger Zone 7	5									
	2	Check No. 1	3.91											
		Check No. 2	5.21											
			7.21	Zone 7 Water Agency Altamont	10									
2	3	Check No. 3	9.49	Zone 7 Water Agency Patterson Project Water	952									
4	4	Check No. 4	10.68			85	32	9	1,500	210	24	7		
		Check No. 5	12.29											
	6		13.55	Zone 7 Water Agency Wente #1	85									
			14.16	Zone 7 Water Agency Wente #2	41									
			14.31	Zone 7 Water Agency Ising	7									
		Check No. 6	14.65											
			14.78	Zone 7 Water Agency Arroyo Mocho Project Water	0									
	7	Check No. 7	16.38											
	8		16.57	Zone 7 Water Agency Wente #3	0									
			16.63	Zone 7 Water Agency Wente #4	32									
			16.69	Zone 7 Water Agency Norman Nursery	0									
			16.70	Zone 7 Water Agency Concannon Project Water	9									
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	1,234									
5	8			Pumped into South Bay Aqueduct	0	210	65	1,500	2,160	171	24	7		
				Gravity into South Bay Aqueduct	68									
				Zone 7 Water Agency Arroyo Valle #1 & #2										
				Inflow Release	7									
				Storage Exchange Project Water	168									
6				East Bay Regional Park Dist.		210	65	1,500	2,160	171	24	7		
				Del Valle Recreation	24									
				Zone 7 Water Agency Wente #5	65									
7				Zone 7 Water Agency So. Livermore Project		881	58	1,500	2,160	171	24	7		
				Project Water	2,381									
				Zone 7 Water Agency Kalthrof Detjens	58									
8		La Costa Tunnel	22.50	ACWD		171	176	3,060	3,060	2,466	24	7		
			25.97	Vallecitos Project Water	171									
9		Mission Tunnel	28.97	City of San Francisco		176	176	2,160	2,160	2,466	24	7		
			35.86	San Antonio	0									
		Santa Clara Pipeline		ACWD - Bayside 1 & 2		2,466	2,466	3,060	3,060	2,466	24	7		
				Project Water	2,336									
				S.C.V.W.D.		2,466	2,466	3,060	3,060	2,466	24	7		
				Meter	5,526									

1/ Semitropic Water Bank Recovery.

2/ Alameda Co. FC&WCD received Transfer Water from Plain View WD (BBID).

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

October 2008

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Sep 30	700.50	38,170									
1	700.50	38,170	0	12	0	0	0	1	11	12	0.00
2	700.48	38,157	-14	0	0	0	0	1	13	14	0.00
3	700.47	38,150	-7	4	0	0	0	1	9	10	0.00
4	700.39	38,095	-55	-10	0	0	38	1	6	45	0.12
5	700.37	38,081	-14	-6	0	0	0	1	6	7	0.00
6	700.37	38,081	0	8	0	0	0	1	7	8	0.00
7	700.33	38,053	-27	-4	0	0	12	1	11	24	0.00
8	700.31	38,040	-14	1	0	0	2	1	11	14	0.00
9	700.38	38,088	48	-3	63	0	0	1	11	12	0.00
10	700.50	38,170	83	-11	105	0	0	1	11	12	0.00
11	700.62	38,253	83	-5	103	0	0	1	14	15	0.00
12	700.76	38,349	97	5	103	0	0	1	11	12	0.00
13	700.89	38,439	90	-1	103	0	0	1	11	12	0.00
14	701.01	38,522	83	-8	103	0	0	1	11	12	0.00
15	701.15	38,619	97	6	103	0	0	1	11	12	0.00
16	701.28	38,709	90	3	103	0	0	1	15	16	0.00
17	701.41	38,799	90	-1	103	0	0	1	10	11	0.00
18	701.53	38,883	83	-8	103	0	0	1	11	12	0.00
19	701.68	38,987	104	10	103	0	0	1	7	8	0.00
20	701.80	39,071	84	-11	103	0	0	1	7	8	0.00
21	701.83	39,092	21	3	35	0	10	1	6	17	0.00
22	701.80	39,071	-21	1	0	0	6	1	15	22	0.00
23	701.79	39,064	-7	4	0	0	0	1	10	11	0.00
24	701.77	39,050	-14	-2	0	0	0	1	11	12	0.00
25	701.76	39,043	-7	6	0	0	0	0	13	13	0.00
26	701.73	39,022	-21	-9	0	0	0	0	12	12	0.00
27	701.72	39,015	-7	2	0	0	0	0	9	9	0.00
28	701.71	39,008	-7	0	0	0	0	0	7	7	0.00
29	701.71	39,008	0	8	0	0	0	0	8	8	0.00
30	701.71	39,008	0	9	0	0	0	0	9	9	0.00
31	701.71	39,008	0	2	0	0	0	0	2	2	0.06
Total		838	7	1,234	0	68	24	311	403	0.18	

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

October 2008

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/	
Sep 30	222.74	50,353										
1	222.89	50,753	400	0	1,051	1,573	355	0	596	2,235	11	65
2	222.32	49,235	-1,518	0	943	1,002	290	0	596	2,500	14	110
3	221.99	48,360	-875	0	700	711	547	0	0	2,287	7	-105
4	221.80	47,861	-499	0	790	717	370	0	0	2,309	2	182
5	222.28	49,128	1,267	0	1,049	2,620	143	0	0	3,056	2	-115
6	222.78	50,459	1,331	0	1,348	892	232	0	0	1,864	12	75
7	223.68	52,866	2,407	0	1,567	1,175	236	0	450	1,438	10	134
8	224.38	54,752	1,886	0	1,714	1,640	616	0	1,800	1,192	16	-11
9	223.43	52,196	-2,556	0	1,978	1,570	157	0	2,988	2,114	12	120
10	222.78	50,459	-1,737	0	1,965	694	231	0	1,800	1,933	5	-28
11	222.41	49,474	-985	0	2,096	1,200	423	0	2,025	2,145	5	-41
12	221.78	47,809	-1,665	0	2,130	1,512	512	0	1,800	3,314	5	126
13	221.77	47,782	-27	0	1,494	1,207	300	0	1,350	1,847	2	184
14	222.41	49,474	1,692	0	1,544	1,951	590	0	1,270	1,355	7	-600
15	223.27	51,768	2,294	0	1,455	1,483	348	0	1,275	1,207	8	361
16	223.32	51,901	133	0	1,546	595	0	0	900	1,231	7	64
17	223.64	52,759	858	0	2,010	0	215	0	450	1,252	7	-83
18	223.63	52,732	-27	0	2,423	0	284	0	1,500	1,221	7	7
19	222.55	49,847	-2,885	0	2,308	0	246	0	1,725	2,374	7	98
20	222.18	48,863	-984	0	1,949	0	307	0	1,643	1,133	7	31
21	222.43	49,527	664	0	2,029	0	347	0	1,312	783	7	61
22	222.79	50,486	959	0	2,204	0	150	0	900	956	8	-7
23	222.70	50,246	-240	0	2,350	0	167	0	1,639	1,043	8	52
24	222.40	49,447	-799	0	2,390	0	0	0	1,626	1,056	10	-101
25	222.10	48,650	-797	0	2,437	0	0	0	1,641	1,151	17	-30
26	221.90	48,124	-526	0	2,448	0	255	0	895	2,124	16	67
27	222.35	49,314	1,190	0	2,481	0	361	0	1,193	1,035	16	2
28	222.87	50,699	1,385	0	2,508	0	187	0	1,178	904	13	98
29	222.92	50,833	134	0	2,212	0	144	0	1,770	597	13	92
30	222.84	50,619	-214	0	2,179	0	106	0	1,775	542	13	-63
31	222.88	50,726	107	0	2,014	0	236	0	1,790	421	17	32
Total			373	0	57,312	20,542	8,355	0	37,887	48,619	291	776
Mean cfs			---	0	1,849	663	270	0	1,222	1,568	9	25
Acre-feet			373	0	113,677	40,748	16,571	0	75,152	96,437	578	1,544

1/ Pump-in located at Mile 79.67R.

2/ Includes 148 AF delivered to DFG at O'Neill Forebay, 3 AF to Parks & Rec., and 427 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

October 2008

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Sep 30	358.86	236,625							
1	358.46	234,281	-2,344	596	1,573	152	0	-53	
2	358.26	233,112	-1,169	596	1,002	154	0	-29	
3	357.98	231,480	-1,632	0	711	169	0	57	
4	357.69	229,794	-1,686	0	717	151	0	18	
5	356.80	224,652	-5,142	0	2,620	149	0	177	
6	356.34	222,013	-2,639	0	892	140	0	-298	
7	356.03	220,242	-1,771	450	1,175	142	0	-26	
8	356.01	220,128	-114	1,800	1,640	147	0	-70	
9	356.23	221,384	1,256	2,988	1,570	140	0	-645	
10	356.60	223,503	2,119	1,800	694	142	0	104	
11	356.70	224,078	575	2,025	1,200	145	0	-390	
12	356.79	224,595	517	1,800	1,512	143	0	116	
13	356.74	224,308	-287	1,350	1,207	161	0	-127	
14	356.42	222,471	-1,837	1,270	1,951	163	0	-82	
15	356.27	221,613	-858	1,275	1,483	165	0	-60	
16	356.29	221,727	114	900	595	171	0	-77	
17	356.36	222,128	401	450	0	163	0	-85	
18	356.74	224,308	2,180	1,500	0	158	0	-243	
19	357.24	227,189	2,881	1,725	0	154	0	-119	
20	357.66	229,620	2,431	1,643	0	155	0	-262	
21	358.09	232,121	2,501	1,312	0	156	0	105	
22	358.30	233,346	1,225	900	0	154	0	-128	
23	358.66	235,452	2,106	1,639	0	155	0	-422	
24	359.12	238,154	2,702	1,626	0	155	0	-109	
25	359.60	240,986	2,832	1,641	0	153	0	-60	
26	359.85	242,467	1,481	895	0	150	0	2	
27	360.08	243,832	1,365	1,193	0	148	0	-357	
28	360.37	245,557	1,725	1,178	0	157	0	-151	
29	360.82	248,245	2,688	1,770	0	155	0	-260	
30	361.32	251,244	2,999	1,775	0	154	0	-109	
31	361.80	254,136	2,892	1,790	0	155	1	-176	
Total			17,511	37,887	20,542	4,756	1	-3,759	
Mean cfs			---	1,222	663	153	0	-121	
Acre-feet			17,511	75,152	40,748	9,438	1	-7,454	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 8,380 AF, Casa De Fruta 0 AF, and San Benito 1,058 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

October 2008

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant			San Felipe Project	
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	4,434	3,961	3,121	3,121	1,183	29	301
2	4,958	4,477	1,987	1,987	1,183	6	306
3	4,537	4,056	1,410	1,410	0	0	336
4	4,580	3,157	1,423	1,423	0	0	300
5	6,061	5,545	5,197	5,197	0	0	295
6	3,697	3,221	1,770	1,770	0	0	278
7	2,852	2,384	2,331	2,331	893	14	282
8	2,364	1,878	3,252	3,252	3,570	-1,344	292
9	4,194	3,714	3,114	3,114	5,927	-259	277
10	3,834	3,368	1,377	1,377	3,570	-57	282
11	4,254	3,773	2,380	2,380	4,017	126	287
12	6,574	5,682	3,000	3,000	3,570	-56	284
13	3,664	2,781	2,395	2,395	2,678	-51	320
14	2,687	1,806	3,870	3,870	2,520	-45	323
15	2,394	1,513	2,941	2,941	2,529	-45	327
16	2,441	1,561	1,180	1,180	1,785	-19	340
17	2,483	1,602	0	0	893	893	324
18	2,421	1,535	0	0	2,975	2,975	314
19	4,709	3,819	0	0	3,422	3,422	305
20	2,248	1,391	0	0	3,258	3,258	308
21	1,553	658	0	0	2,603	2,603	310
22	1,897	998	0	0	1,785	1,785	306
23	2,068	645	0	0	3,250	3,250	308
24	2,094	668	0	0	3,225	3,225	308
25	2,284	947	0	0	3,255	3,255	303
26	4,213	2,614	0	0	1,775	1,775	297
27	2,052	661	0	0	2,367	2,367	293
28	1,794	358	0	0	2,337	2,337	312
29	1,185	-223	0	0	3,511	3,511	308
30	1,075	-350	0	0	3,521	3,521	305
31	836	-572	0	0	3,550	3,550	307
Total	96,437	67,628	40,748	40,748	75,152	40,026	9,438

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

October 2008

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Sep 30	323.62	18,664					
1	323.60	18,655	-9	0	0	0	-9
2	323.58	18,646	-9	0	0	0	-9
3	323.57	18,642	-4	0	0	0	-4
4	323.55	18,633	-9	0	0	0	-9
5	323.52	18,619	-14	0	0	0	-14
6	323.51	18,615	-4	0	0	0	-4
7	323.50	18,610	-5	0	0	0	-5
8	323.49	18,606	-4	0	0	0	-4
9	323.44	18,584	-22	0	0	0	-22
10	323.39	18,562	-22	0	0	0	-22
11	323.35	18,544	-18	0	0	0	-18
12	323.32	18,530	-14	0	0	0	-14
13	323.31	18,526	-4	0	0	0	-4
14	323.31	18,526	0	0	0	0	0
15	323.30	18,522	-4	0	0	0	-4
16	323.29	18,517	-5	0	0	0	-5
17	323.28	18,513	-4	0	0	0	-4
18	323.27	18,508	-5	0	0	0	-5
19	323.26	18,504	-4	0	0	0	-4
20	323.24	18,495	-9	0	0	0	-9
21	323.22	18,486	-9	0	0	0	-9
22	323.21	18,482	-4	0	0	0	-4
23	323.21	18,482	0	0	0	0	0
24	323.20	18,477	-5	0	0	0	-5
25	323.19	18,473	-4	0	0	0	-4
26	323.18	18,468	-5	0	0	0	-5
27	323.16	18,460	-8	0	0	0	-8
28	323.16	18,460	0	0	0	0	0
29	323.15	18,455	-5	0	0	0	-5
30	323.13	18,446	-9	0	0	0	-9
31	323.13	18,446	0	0	0	0	0
Total			-218	0	0	0	-218
Mean cfs			---	0	0	0	---
Acre-feet			-218	0	0	0	-218

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

October 2008

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Sep 30	600.50	709					
1	600.50	709	0	0	0	0	0
2	600.50	709	0	0	0	0	0
3	600.50	709	0	0	0	0	0
4	600.50	709	0	0	0	0	0
5	600.50	709	0	0	0	0	0
6	600.50	709	0	0	0	0	0
7	600.50	709	0	0	0	0	0
8	600.50	709	0	0	0	0	0
9	600.50	709	0	0	0	0	0
10	600.50	709	0	0	0	0	0
11	600.50	709	0	0	0	0	0
12	600.50	709	0	0	0	0	0
13	600.50	709	0	0	0	0	0
14	600.50	709	0	0	0	0	0
15	600.50	709	0	0	0	0	0
16	600.50	709	0	0	0	0	0
17	600.50	709	0	0	0	0	0
18	600.50	709	0	0	0	0	0
19	600.50	709	0	0	0	0	0
20	600.50	709	0	0	0	0	0
21	600.50	709	0	0	0	0	0
22	600.50	709	0	0	0	0	0
23	600.50	709	0	0	0	0	0
24	600.50	709	0	0	0	0	0
25	600.50	709	0	0	0	0	0
26	600.50	709	0	0	0	0	0
27	600.50	709	0	0	0	0	0
28	600.50	709	0	0	0	0	0
29	600.50	709	0	0	0	0	0
30	600.50	709	0	0	0	0	0
31	600.50	709	0	0	0	0	0
Total			0	0	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			0	0	0	0	0

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

October 2008

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		16,571						
3A		San Luis Reservoir		Department of Parks and Recreation	1	8,380		1	0		
				San Felipe Division Santa Clara Water District	8,380						
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	1,058	1,058		1	0		
					9,439						
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	3			2	1		
				Cattle Program	0						
				Department of Fish & Game	148						
		Thru 85.08	70.91	San Luis Water District	427	427		81	67		
			(Floodwater Inflow)	0							
			Reach 3 Subtotal:	578							
		Dos Amigos Pumping Plant	86.73		96,437						
4	14		89.03	San Luis Water District	4,243	4,243		4,243			
			Thru 94.06								
			89.66	Pacheco Water District	143		143	143			
			Thru 89.67								
			89.68	Panoche Water District	42		42	42			
		Check No. 14	89.70	City of Dos Palos	116	469					
			95.06			116	116				
			98.15	San Luis Water District	469						
			Thru 104.20			831	831				
			96.15	Panoche Water District	831						
4	15		102.64	(Floodwater Inflow)	0	831		831			
			102.64	Broadview Water District	0		0	0			
			105.22	Westlands Water District	2,798						
			Thru 108.64				2,798	2,798			
			108.50								
				Reach 4 Subtotal:	8,642	8,642	0	0	0		
				San Felipe Division Total:	9,438		9,438	0	0		
				Pacheco Water District Total:	143			0	0		
				Broadview Water District Total:	0		143	0	0		
				City of Dos Palos Total:	116			0	0		
				SLWD Reach 4 Subtotal:	4,712		143	0	0		
				Panoche Water District Total:	873			0	0		
				SLWD Total:	5,139		116	0	0		
				Westlands WD Reach 4 Subtotal:	2,798			0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

October 2008

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure											
5	16		110.52	(Reverse flow, Kings River)	0	4,830							
				Westlands Water District	4,830								
				Dept. of Fish and Game @ Lat. 4L	0								
				Dept. of Fish and Game @ Lat. 6L	0								
				Dept. of Fish and Game @ Lat. 7L	0								
	17	Check No. 16	122.07			2,946							
			124.18	Westlands Water District	2,946								
			Thru 132.74										
	18	Check No. 17	132.95			5,252							
			133.81	Westlands Water District	5,252								
			Thru 142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	4,322								
			143.16	City of Coalinga	648								
			Check No. 18	143.23									
6	19		145.26	Reach 5 Subtotal:	17,998	17,998	0	0	0				
				GWF Energy	3								
				City of Huron	0								
				Kings County to Lemoore NAS Through WWD	0								
				Kings County through WWD 30L	0								
				Westlands Water District	3,307		3,307						
				Check No. 19	155.64								
				Reach 6 Subtotal:	3,310		3,307	3	0				
7	20		156.34	City of Huron	106	106							
				SWP Construction @ Lat. 24R	0								
				Thru 31L, 32L, 33L, 34L, 35L, 36L	0								
				Westlands Water District	879		879						
				Check No. 20	164.69								
	21		164.79	City of Avenal	252		252						
				Westlands Water District	975								
				Check No. 21	172.40								
				Reach 7 Total:	63,865		875	1/ 100					
				SWP Construction Total:	0								
				Westlands WD Total:	25,309	25,209	100	0	0				
				City of Coalinga Total:	648								
				City of Huron Total:	106								
				Kings County to Lemoore NAS Through WWD	0								
				City of Avenal Total:	252								
				Total San Luis Field Division Deliveries:	42,179	41,924	103	84	68				

1/ Transfer of Table A Water from Dudley Ridge WD to Westlands WD due to common land owner Kettlemen Hills Growers.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
October 2008

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Sep 30	28,208								
1	27,987	-221	0	2,235	81	11	559	1,761	65
2	28,541	554	0	2,500	75	11	473	1,518	-144
3	28,577	36	0	2,287	75	11	473	1,603	-107
4	28,766	189	0	2,309	75	11	473	1,603	-51
5	28,253	-513	0	3,056	75	11	473	3,109	353
6	28,119	-134	0	1,864	75	11	473	1,483	110
7	28,231	112	0	1,438	75	11	473	829	7
8	28,400	169	0	1,192	75	11	473	488	-60
9	28,485	85	0	2,114	82	10	433	1,425	-121
10	28,482	-3	0	1,933	82	10	433	1,409	-1
11	28,657	175	0	2,145	82	10	433	1,433	-98
12	28,397	-260	0	3,314	82	10	433	3,057	137
13	28,597	200	0	1,847	82	10	433	1,219	-3
14	28,356	-241	0	1,355	82	10	433	860	-91
15	28,192	-164	0	1,207	82	10	433	636	-129
16	28,396	204	0	1,231	92	10	433	431	-162
17	28,473	77	0	1,252	92	10	433	497	-181
18	28,604	131	0	1,221	92	18	433	530	-82
19	28,377	-227	0	2,374	92	20	433	2,187	243
20	28,387	10	0	1,133	92	20	433	677	94
21	28,127	-260	0	783	92	20	433	392	23
22	28,199	72	0	956	92	20	433	387	12
23	28,398	199	0	1,043	81	20	379	352	-111
24	28,219	-179	0	1,056	81	20	379	559	-107
25	28,545	326	0	1,151	81	20	379	526	19
26	28,337	-208	0	2,124	81	20	379	1,887	138
27	28,351	14	0	1,035	81	20	379	602	55
28	28,372	21	0	904	81	20	377	357	-58
29	28,452	80	0	597	81	20	370	26	-60
30	28,221	-231	0	542	58	12	347	214	-28
31	28,084	-137	0	421	57	12	347	143	69
Total		-124	0	48,619	2,506	440	13,268	32,198	-269
Mean cfs		---	0	1,568	81	14	428	1,039	-9
Acre-feet		-124	0	96,437	4,971	873	26,318	63,865	-535

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 143 AF to Pacheco W.D., 116 AF to the City of Dos Palos and 4,712 AF to San Luis Water District.

3/ Includes 106 AF to the City of Huron, 252 AF to the City of Avenal, 648 AF to the City of Coalinga, 0 AF to Huron P&R @ 22R, 0 AF to Lemoore N.A.S. @ 29L, 3 AF GWF @ 30L, 0 AF Kings County @ 30L, 0 AF Broadview WD @ 3L, 0 AF DFG @ 4L, 0 AF Pilobos Wildlife @ 4L, 0 AF Mendota Water Fowl Habitat Area @ 6L, 0 AF DFG @ 7L, 0 AF Non-Project Water, 20,987 AF to Westlands Water District and 4,322 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

October 2008

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	379	345	79	71	79	3,334	3,074	2,908	2,737
2	431	410	60	55	61	3,253	3,065	2,899	2,860
3	371	339	49	44	49	2,850	2,784	2,633	2,602
4	539	484	57	52	57	3,003	2,860	2,723	2,737
5	507	490	57	41	60	5,800	6,210	6,007	6,094
6	395	361	39	36	41	2,965	3,005	2,790	2,777
7	349	343	57	52	58	2,042	1,850	1,776	1,716
8	341	339	45	41	45	1,452	1,486	1,377	1,296
9	270	270	102	44	52	3,070	3,014	2,836	2,879
10	224	238	57	53	58	3,610	3,493	3,311	3,003
11	158	181	54	49	54	3,453	3,411	3,226	3,274
12	358	322	63	56	65	6,806	7,368	7,068	7,091
13	237	211	41	37	42	3,070	3,236	2,932	2,799
14	220	234	43	37	43	2,557	2,438	2,258	2,346
15	317	314	70	65	71	1,887	1,767	1,748	1,658
16	277	260	60	56	65	1,692	1,595	1,452	1,470
17	214	182	58	52	59	1,589	1,478	1,456	1,473
18	350	332	67	60	66	1,690	1,779	1,669	1,726
19	307	283	52	48	52	4,766	5,240	5,053	5,022
20	262	243	37	32	37	1,785	1,599	1,468	1,418
21	289	292	48	43	50	1,577	1,534	1,337	1,260
22	330	322	63	56	59	1,880	1,821	1,567	1,503
23	208	210	91	82	90	1,942	1,755	1,511	1,473
24	201	230	38	33	37	879	1,669	1,513	1,454
25	77	175	61	56	61	1,694	1,511	1,441	1,448
26	144	163	43	33	36	4,626	5,255	5,142	5,157
27	61	70	56	49	54	2,105	1,745	1,631	1,612
28	0	0	0	0	0	2,064	1,867	1,708	1,669
29	0	0	0	0	0	1,631	1,479	1,416	1,432
30	0	0	0	0	0	1,575	1,502	1,364	1,246
31	0	0	0	0	0	1,461	1,551	1,452	1,478
Total	7,815	7,643	1,547	1,333	1,501	82,108	82,441	77,672	76,710

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

October 2008

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Recovery	Transfer	Other		
	No.	Structure										
7	21	Check No. 21	172.40		63,865							
8C	22		172.66	Empire West Side ID TL - A	0	345	28	1 / 542				
				County of Kings TL - A	0							
				Tulare Lake Basin WSD TL-A	0							
			175.18	Dudley Ridge WD - 1	345							
			177.54	Dudley Ridge WD - 1B	28							
			180.64	Tulare Lake Basin WSD- C	0							
			180.65	Dudley Ridge WD - 1A	91							
			182.99	Dudley Ridge WD - 2	880							
			183.00	Tulare Lake Basin WSD TL - B	15							
				County of Kings TL-B	0							
8D	31A		184.00	Dudley Ridge WD - Paramount	1	1,308	1					
			184.63	Coastal Branch	7,815							
8D			184.78	Dudley Ridge WD - 3	1,308	2,111	0	542	0	0		
				Dudley Ridge Reach 8D Total:	2,653							
9	23			Tulare Lake Basin WSD Total:	15	15	0	0	0	0		
				Check No. 22	184.82							
				189.69	Kern County Water Agency Lost Hills Water Dist. - 1							
				191.18	Kern County Water Agency Lost Hills Water Dist. - 2							
				194.22	Kern County Water Agency Lost Hills Water Dist. - 3							
				196.40	Kern County Water Agency Berrenda Mesa - 2	56	0	4,310	0	0		
				196.75	Kern County Water Agency Lost Hills Water Dist. - 4							
				KCWA Reach 9 Subtotal:								
			Check No. 23	197.05								
10A	24			201.24	Kern County Water Agency Lost Hills Water Dist. - 7	551	2 / 551					
				202.05	Kern County Water Agency Lost Hills Water Dist. - 5							
				204.69	Kern County Water Agency Lost Hills Water Dist. - 6							
				205.26	Kern County Water Agency Lost Hills Water Dist. - 8							
			Check No. 24	207.94								
				209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	1,208	2 / 408	3/ 800				
				209.78	Kern National Wildlife Refuge USBR BV-1B							
					Kern County Water Agency Buena Vista WSD 1B							
				209.80	KCWA Semicropic WSD							
					KCWA Semicropic WSD Penstocks							
					USBR Total:	3,640	0	3,640	0	0		
					KCWA Reach 10A Subtotal:	2,168	0	0	1,368	800		

1/ Kern Water Bank Recovery.

2/ Recovery of same contractors pump-in.

3/ Same landowner transfer from Dudley Ridge WD to Kern County WA to convey CVP water.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

October 2008

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Recovery 1/	Transfer	Other		
	No.	Structure										
11B	25		210.75	Kern County Water Agency Belridge - 2	0							
			214.11	Kern County Water Agency Belridge - 3	170			170				
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	4,472			4,472				
				Kern County Water Agency Belridge - 5D	129			129				
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	4,771	0	0	4,771	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0							
				Kern County Water Agency West Kern - 3	408			408				
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0							
				Check No. 27	231.73							
	28		235.75	Kern County Water Agency Buena Vista - 2	0							
				Kern County WA CVC	1,856			928		2/ 928		
				DRWD CVC	0							
				Tulare Co.	0							
			238.04	Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda DWR Wells	0							
	Check No. 28	238.11										
				3/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	1,856	0	0	928	0	928		
13B	29		238.19	Kern Water Bank Inflow	0							
				Kern Water Bank Outflow	0							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	0							
				KCWA Buena Vista WSD - 5	0							
			243.09	KCWA Buena Vista - 3	0							
			Check No. 29	244.54								
	30		249.85	Kern County Water Agency Buena Vista - 4	0							
			Buena Vista Pumping Plant	250.99			82,108					
				KCWA Reach 13B Subtotal:	0	0	0	0	0	0		
14A	31		254.47	Kern County Water Agency West Kern - 2	0							
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	139			139				

1/ Recovery of same contractors pump-in.

2/ Long-term contract to convey CVP water from County of Tulare to Arvin Edison WSD.

3/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

October 2008

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Recover y 1/	Transfer	Other	
	No.	Structure	Mile							
14A	31	Check No. 31	256.14							
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	387		387			
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	917		917			
		Check No. 32	261.72							
				KCWA Reach 14A Subtotal:	1,443	0	0	1,443	0	
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	2,337		2,337			
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	302		302			
	Check No. 33	267.36								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,599		1,599			
		Check No. 34	271.27							
				Reach 14B Total:	4,238	0	0	4,238	0	
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	802		802			
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	394		394			
			277.30	Kern County Water Agency Arvin-Edison WSD	0					
				Reach 14C Total:	1,196	0	0	1,196	0	
	Teerink Pumping Plant	278.13			82,441					
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	114		114			
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	1,200		1,200			
				Reach 15A Total:	1,314	0	0	1,314	0	
		Chrismen Pumping Plant	280.36		77,672					
	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0					
16A	Check No. 37	283.95								
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	26		26			
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	76		76			
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0					
	Check No. 38	287.09								
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	95		95			
		Check No. 39	290.21							
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	807		807			
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	10		10			
				Kern County Water Agency Tehachapi Cummings CWD	446		446			
				KCWA Reach 16A Subtotal:	1,460	0	0	1,460	0	
		Edmonston Pumping Plant	293.45		76,710					

1/ Recovery of same contractors pump-in.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

October 2008

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Recovery 1/	Transfer	Other	
	No.	Structure	Mile							
31A	C-1	Coastal Branch Control	0.02		7,815					
		Las Perillas Pumping Plant	1.16		7,815					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		7,643					
	C-3	Coastal Check No. 3	7.21							
			9.34	Castaic Lake WA (Devil's Den WD #1)	0					
	C-4	Coastal Check No. 4	9.34							
		Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	535					
			14.83	Kern County Water Agency Berrenda Mesa - 1	5,816					
				Kern County Water Agency Berrenda Mesa - PO	0					
		Devil's Den Pumping Plant	14.86		1,547					
				KCWA Reach 31A Subtotal:	6,351	0	0	6,351	0	
				KCWA Total:	29,515	0	0	27,787	800	
33A	C-7	Bluestone Pumping Plant	19.05		1,333					
		Polonio Pass Pumping Plant	26.54		1,501					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0					
		Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,237					
	C-10	Tank Site 2	58.63	Central Coast:	0					
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	234					
		Energy Dissipater	78.12							
	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0					
				CCWA Total:	1,471	705	234	0	2/ 532	
35	Guadalupe T.O.	102.70		SBCFC & WCD	0					
	Santa Maria T.O.	107.43		SBCFC & WCD	0					
	So. Cal. Water T.O.	109.20		SBCFC & WCD	0					
38				SBCFC & WCD Total:	0	939	0	0	532	
	Tank Site 5	115.42			0	0	0	0	0	

1/ Recovery of same contractors pump-in.

2/ San Luis Obispo's 2008 Table A water to Santa Barbara.

Table 24. Southern Field Division Plant Data

(in acre-feet)

October 2008

Date	West Branch						East Branch								East Branch Extension			
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Tehachapi Afterbay Bypass		Generation	Leakage	Bypass Flume					
28	1	1,055	1,099	0	0	3,644	647	0	0	1,352	1,245	1,303	0	0	1,419	75	73	27
	2	1,481	1,522	0	0	1,905	1,563	0	0	1,394	1,335	1,333	0	0	1,215	0	0	0
	3	1,206	1,528	0	0	2,623	1,516	0	0	1,215	1,189	1,173	0	0	1,409	81	79	15
	4	1,216	1,529	0	0	0	528	0	0	1,265	1,090	1,027	0	0	1,425	81	79	17
	5	2,982	1,529	0	0	442	1,336	0	0	2,944	2,963	2,697	0	0	1,361	75	74	18
	6	1,312	1,522	0	0	3,041	915	0	0	987	867	896	0	0	1,337	62	58	16
	7	1,422	1,522	0	0	2,952	739	0	0	269	0	0	0	0	1,351	62	58	16
	8	1,100	1,530	0	0	3,306	684	324	0	50	0	11	0	0	1,484	76	74	27
	9	1,275	1,525	0	0	3,966	1,510	1,639	0	0	1,763	1,408	0	0	1,267	81	81	26
	10	1,303	1,532	0	0	0	0	1,959	0	0	1,687	1,589	0	0	1,617	81	79	15
	11	1,105	1,509	0	0	0	0	1,922	0	0	1,803	1,695	0	0	1,503	76	75	16
	12	2,911	1,531	0	0	508	0	2,920	0	1,256	3,800	3,417	0	0	1,630	59	58	15
	13	1,145	631	0	0	2,112	568	1,479	0	0	1,513	1,720	0	0	1,801	61	58	15
	14	1,057	650	0	0	1,487	1,325	1,573	0	0	1,502	1,714	0	0	1,443	62	58	14
	15	370	566	0	0	2,585	1,546	1,215	0	0	1,075	998	0	0	1,571	77	74	27
	16	373	620	0	0	2,350	810	1,054	0	0	802	802	0	0	1,789	79	75	23
	17	299	627	0	0	2,878	950	1,269	0	0	979	985	0	0	1,412	60	58	9
	18	373	632	0	0	171	1,541	936	0	0	771	774	0	0	1,408	60	58	9
	19	1,321	634	0	0	910	2,191	2,790	0	884	3,080	2,775	0	0	982	60	58	9
	20	320	632	0	0	1,699	1,091	1,103	0	190	1,076	1,131	0	0	1,323	60	58	9
	21	524	641	0	0	2,254	985	939	0	0	756	815	0	0	1,179	60	58	9
	22	371	642	0	0	2,715	793	1,177	0	0	976	985	0	0	1,231	54	53	20
	23	373	655	0	0	2,504	1,020	1,075	0	0	1,107	958	0	0	1,045	38	40	10
	24	371	660	0	0	1,701	1,471	1,236	0	0	1,038	970	0	0	1,158	43	38	0
	25	371	610	0	0	1,079	1,514	1,089	0	0	875	863	0	0	1,027	31	17	0
	26	1,333	0	0	0	1,727	1,142	2,684	0	0	2,849	2,257	0	0	983	13	0	0
	27	793	0	0	0	1,369	0	1,422	0	50	1,025	1,067	0	0	1,243	43	35	8
	28	423	0	0	0	1,872	1,262	1,275	0	0	1,065	1,232	0	0	1,127	40	39	21
	29	0	418	0	0	2,112	1,002	1,254	0	0	1,208	1,165	0	0	1,210	40	39	21
	30	107	977	0	0	1,706	689	898	0	0	1,025	930	0	0	924	39	38	17
	31	425	1,110	0	0	2,150	870	1,359	0	0	1,029	1,046	0	0	887	54	53	17
Total		28,717	28,583	0	0	57,768	30,208	34,591	0	11,856	41,493	39,736	0	0	40,761	1,783	1,695	446

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)
				Project			Natural	Project			Natural	
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	To Piru Creek		
Sep 30	2572.97	163,489										
1	2571.15	161,208	-2,281	647	1,099	0	10	3,644	0	7	0	-386
2	2572.37	162,734	1,526	1,563	1,522	0	10	1,905	0	7	0	343
3	2572.49	162,885	151	1,516	1,528	0	10	2,623	0	7	0	-273
4	2574.59	165,536	2,651	528	1,529	0	10	0	1	7	0	592
5	2576.41	167,856	2,320	1,336	1,529	0	10	442	0	7	0	-106
6	2575.64	166,872	-984	915	1,522	0	10	3,041	0	7	0	-383
7	2575.05	166,120	-752	739	1,522	0	11	2,952	0	7	0	-65
8	2574.00	164,788	-1,332	684	1,530	0	11	3,306	0	7	0	-244
9	2573.14	163,703	-1,085	1,510	1,525	0	11	3,966	0	7	0	-158
10	2574.21	165,054	1,351	0	1,532	0	11	0	0	7	0	-185
11	2575.51	166,706	1,652	0	1,509	0	12	0	0	7	0	138
12	2576.66	168,177	1,471	0	1,531	0	13	508	0	7	0	442
13	2575.82	167,102	-1,075	568	631	0	13	2,112	0	7	0	-168
14	2576.33	167,754	652	1,325	650	0	13	1,487	0	7	0	158
15	2575.55	166,757	-997	1,546	566	0	13	2,585	0	7	0	-530
16	2574.73	165,714	-1,043	810	620	0	13	2,350	1	7	0	-128
17	2573.49	164,144	-1,570	950	627	0	13	2,878	0	7	0	-275
18	2575.26	166,388	2,244	1,541	632	0	13	171	0	7	0	236
19	2577.00	168,613	2,225	2,191	634	0	14	910	0	7	0	303
20	2577.05	168,678	65	1,091	632	0	14	1,699	0	7	0	34
21	2576.45	167,908	-770	985	641	0	14	2,254	0	7	0	-149
22	2575.25	166,375	-1,533	793	642	0	14	2,715	0	7	0	-260
23	2574.41	165,308	-1,067	1,020	655	0	14	2,504	0	7	0	-245
24	2575.38	166,541	1,233	1,471	660	0	14	1,701	1	6	0	796
25	2575.56	166,770	229	1,514	610	0	14	1,079	0	6	0	-824
26	2575.00	166,057	-713	1,142	0	0	14	1,727	0	6	0	-136
27	2573.73	164,447	-1,610	0	0	0	15	1,369	0	6	0	-250
28	2573.22	163,803	-644	1,262	0	0	15	1,872	0	6	0	-43
29	2572.97	163,489	-314	1,002	418	0	15	2,112	0	6	0	369
30	2572.99	163,514	25	689	977	0	15	1,706	0	6	0	56
31	2572.76	163,224	-290	870	1,110	0	15	2,150	0	6	0	-129
Total			-265	30,208	28,583	0	394	57,768	3	209	0	-1,470

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
				Natural	Project 1/					
Sep 30	1512.34	20,096								
1	1519.62	23,079	2,983	3,644	0	647	0	0	-14	
2	1515.82	21,494	-1,585	1,905	0	1,563	0	1,927	0	
3	1513.26	20,460	-1,034	2,623	0	1,516	0	2,140	-1	
4	1512.04	19,978	-482	0	0	528	0	0	46	
5	1509.59	19,027	-951	442	0	1,336	0	0	-57	
6	1510.17	19,250	223	3,041	0	915	0	1,904	1	
7	1510.76	19,478	228	2,952	0	739	0	1,983	-2	
8	1511.57	19,793	315	3,306	0	684	0	2,307	0	
9	1513.05	20,377	584	3,966	0	1,510	0	1,872	0	
10	1507.93	18,396	-1,981	0	0	0	0	1,982	1	
11	1507.69	18,306	-90	0	0	0	0	0	-90	
12	1508.99	18,798	492	508	0	0	0	0	-16	
13	1512.61	20,202	1,404	2,112	0	568	0	0	-140	
14	1509.91	19,150	-1,052	1,487	0	1,325	0	1,216	2	
15	1512.43	20,131	981	2,585	0	1,546	0	0	-58	
16	1510.12	19,230	-901	2,350	0	810	0	2,442	1	
17	1514.76	21,063	1,833	2,878	0	950	0	0	-95	
18	1511.29	19,684	-1,379	171	0	1,541	0	0	-9	
19	1507.88	18,378	-1,306	910	0	2,191	0	0	-25	
20	1509.41	18,958	580	1,699	0	1,091	0	0	-28	
21	1507.34	18,175	-783	2,254	0	985	0	2,052	0	
22	1512.43	20,131	1,956	2,715	0	793	0	0	34	
23	1511.95	19,942	-189	2,504	0	1,020	0	1,674	1	
24	1510.45	19,358	-584	1,701	0	1,471	0	892	78	
25	1508.85	18,744	-614	1,079	0	1,514	0	0	-179	
26	1510.23	19,273	529	1,727	0	1,142	0	0	-56	
27	1513.56	20,580	1,307	1,369	0	0	0	0	-62	
28	1512.06	19,986	-594	1,872	0	1,262	0	1,205	1	
29	1514.76	21,063	1,077	2,112	0	1,002	0	0	-33	
30	1513.00	20,357	-706	1,706	0	689	0	1,723	0	
31	1514.24	20,853	496	2,150	0	870	0	786	2	
Total				757	57,768	0	30,208	0	26,105	
									-698	

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Sep 30	1488.54	267,699								
1	1487.54	265,700	-1,999	0	0	0	1,965	0	-34	
2	1487.57	265,760	60	0	1,927	0	2,051	0	184	
3	1487.50	265,620	-140	0	2,140	0	2,017	0	-263	
4	1486.50	263,630	-1,990	0	0	0	2,015	0	25	
5	1485.54	261,727	-1,903	0	0	0	1,958	0	55	
6	1485.53	261,708	-19	0	1,904	0	1,976	0	53	
7	1485.46	261,569	-139	0	1,983	0	2,007	0	-115	
8	1485.61	261,866	297	0	2,307	0	2,103	0	93	
9	1485.46	261,569	-297	0	1,872	0	2,066	0	-103	
10	1485.53	261,708	139	0	1,982	0	1,986	0	143	
11	1484.46	259,596	-2,112	0	0	0	1,960	0	-152	
12	1483.42	257,552	-2,044	0	0	0	2,027	0	-17	
13	1482.34	255,439	-2,113	0	0	0	2,103	0	-10	
14	1481.78	254,347	-1,092	0	1,216	0	2,278	0	-30	
15	1480.58	252,016	-2,331	0	0	0	2,302	0	-29	
16	1480.73	252,307	291	0	2,442	0	2,243	0	92	
17	1479.66	250,237	-2,070	0	0	0	2,114	0	44	
18	1478.61	248,214	-2,023	0	0	0	2,127	0	104	
19	1477.54	246,163	-2,051	0	0	0	2,109	0	58	
20	1476.42	244,025	-2,138	0	0	0	2,124	0	-14	
21	1476.34	243,873	-152	0	2,052	0	2,134	0	-70	
22	1475.25	241,802	-2,071	0	0	0	2,159	0	88	
23	1475.01	241,348	-454	0	1,674	0	2,135	0	7	
24	1474.34	240,081	-1,267	0	892	0	2,168	0	9	
25	1473.17	237,878	-2,203	0	0	0	2,195	0	-8	
26	1472.06	235,798	-2,080	0	0	0	2,098	0	18	
27	1470.98	233,784	-2,014	0	0	0	2,086	0	72	
28	1470.50	232,892	-892	0	1,205	0	2,028	0	-69	
29	1469.34	230,743	-2,149	0	0	0	2,108	0	-41	
30	1469.13	230,355	-388	0	1,723	0	2,156	0	45	
31	1468.38	228,972	-1,383	0	786	0	2,174	0	5	
Total		-38,727		0	26,105	0	64,972	0	140	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

October 2008

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Structure			Table A	Recreation	Dry Purchase	Recovery	Article 56C	Other	
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		28,717							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Removed	3	3					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	28,583							
29H	W3	Pyramid Lake		USFS		28	28	3,533	19,363	0	4/ 30,000	
				Pyramid Recreation (T300)	3							
				United WA (T300)	0							
29J	W4	Pyramid Dam	17.10	California State Park		154	154				5/ 1,100	
		Castaic Power Plant	25.82	Piru Fish (T300)	0							
		Elderberry Forebay										
30 1/	W5	Forebay Dam	28.12			7,396	1,126	2,272	154	0	31,100	
		Castaic Lake		California State Park								
				Castaic Lake Recreation (T301)	28							
		Castaic Dam	31.47									
		Castaic Lake Outlet	31.6	MWDSC 78" & 132" (T302)	60,292		3,533	3/ 19,363				
				Castaic Lake WA 18", 24" & 54" (T303)	2,226							
				Castaic Lake WA Rio Vista T.P. (T304)	2,272							
				MWD-Ventura Co. WPD (T302)	154							
					0							
				Releases to Lagoon	0							
				Reach 30 Subtotal:	64,972	10,948	28	3,533	19,363	0	31,100	
W6	Castaic Lagoon			California State Park	0							
	Castaic Lagoon Outlet	31.9		Recreation to Lagoon (T353)	186							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

3/ Recovery includes: 1,275 AF to Kern Delta , 16,641 AF to Semitropic , and 1,447 AF to Arvin Edison.

4/ Flexible Withdrawal.

5/ Purchase of Kern River Water from Buena Vista.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River		
Sep 30	3350.81	70,941											
1	3350.61	70,752	-189	1,303	0	0	5	0	1,419	0	0	-68	10
2	3350.70	70,837	85	1,333	0	0	6	0	1,215	0	0	-27	10
3	3350.39	70,544	-293	1,173	0	0	6	0	1,409	0	1	-50	10
4	3350.02	70,195	-349	1,027	0	0	4	1	1,425	0	0	54	10
5	3351.40	71,501	1,306	2,697	0	0	5	0	1,361	0	0	-25	9
6	3350.95	71,074	-427	896	0	0	5	0	1,337	0	1	20	9
7	3349.49	69,697	-1,377	0	0	0	5	0	1,351	0	0	-21	8
8	3347.75	68,076	-1,621	11	0	0	3	1	1,484	0	0	-144	6
9	3347.92	68,233	157	1,408	0	0	4	0	1,267	0	1	21	6
10	3347.86	68,177	-56	1,589	0	0	4	0	1,617	0	0	-24	6
11	3348.00	68,307	130	1,695	0	0	4	0	1,503	0	0	-58	6
12	3349.94	70,120	1,813	3,417	0	0	4	0	1,630	0	1	31	6
13	3349.83	70,016	-104	1,720	0	0	4	0	1,801	0	0	-19	6
14	3349.94	70,120	104	1,714	0	0	3	1	1,443	0	0	-163	6
15	3349.29	69,510	-610	998	0	0	4	0	1,571	0	1	-32	6
16	3348.23	68,521	-989	802	0	0	4	0	1,789	0	0	2	6
17	3347.83	68,150	-371	985	0	0	4	0	1,412	0	0	60	6
18	3347.10	67,475	-675	774	0	0	3	1	1,408	0	1	-36	6
19	3349.18	69,407	1,932	2,775	0	0	4	0	982	0	0	143	6
20	3348.93	69,173	-234	1,131	0	0	4	0	1,323	0	0	-38	6
21	3348.48	68,753	-420	815	0	0	4	0	1,179	0	1	-51	6
22	3348.23	68,521	-232	985	0	0	3	1	1,231	0	0	18	6
23	3348.20	68,493	-28	958	0	0	4	0	1,045	0	0	63	6
24	3347.89	68,205	-288	970	0	0	4	0	1,158	0	1	-95	6
25	3347.78	68,103	-102	863	0	0	3	1	1,027	0	0	66	6
26	3349.18	69,407	1,304	2,257	0	0	4	0	983	0	0	34	6
27	3348.96	69,201	-206	1,067	0	0	4	0	1,243	0	1	-25	6
28	3349.07	69,304	103	1,232	0	0	5	1	1,127	0	0	4	6
29	3348.93	69,173	-131	1,165	0	0	5	0	1,210	0	0	-81	6
30	3348.93	69,173	0	930	0	0	4	0	924	0	1	-1	6
31	3349.07	69,304	131	1,046	0	0	3	1	887	0	0	-24	6
Total				-1,637	39,736	0	129	8	40,761	0	10	-465	204

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

October 2008

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Sep 30	1559.78	68,524				
1	1559.78	68,524	0		5	
2	1559.81	68,578	54		5	
3	1559.75	68,470	-108		5	
4	1559.92	68,778	308		5	
5	1559.84	68,633	-145		5	
6	1559.78	68,524	-109		5	
7	1559.81	68,578	54		5	
8	1559.78	68,524	-54		5	
9	1559.92	68,778	254		5	
10	1560.03	68,980	202		6	
11	1560.14	69,180	200		6	
12	1560.33	69,527	347		6	
13	1560.55	69,930	403		6	
14	1560.55	69,930	0		6	
15	1560.63	70,076	146		5	
16	1560.80	70,388	312		5	
17	1560.77	70,333	-55		5	
18	1561.13	70,996	663		5	
19	1561.21	71,143	147		5	
20	1561.43	71,550	407		6	
21	1561.54	71,753	203		6	
22	1561.65	71,957	204		6	
23	1561.70	72,050	93		5	
24	1561.87	72,366	316		6	
25	1561.81	72,254	-112		5	
26	1561.87	72,366	112		6	
27	1561.87	72,366	0		5	
28	1561.87	72,366	0		11	
29	1562.47	73,485	1,119		6	
30	1562.75	74,009	524		5	
31	1562.64	73,803	-206		0	
Total		5,279		7,710	168	-2,263

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

October 2008

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Recre-ation	Dry Purchase	Recovery	Article 56C	Other	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45	76,710							
	41		298.65		KCWA Tej.-Cas	Stub					
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
18A	43	Alamo Powerplant	305.73	(Includes 34,591 AF generation, 0 AF plant bypass, and 11,856 AF Tehachapi bypass)	46,447						
			306.71	AVEK 305th Street West (T287)	0						
19	44		308.05	AVEK 294th Street West (T267)	0						
		Check No. 43	309.70								
19	45		311.84	LADWP Connection	0						
			313.50	AVEK 245th Street West (T269)	0						
19	46	Check No. 44	314.81								
			314.93	AVEK 235th Street West (T270)	0						
19	46		315.57	AVEK 225th Street West (T271)	0						
		Check No. 45	319.74								
20A	47		323.84	Antelope Valley-East Kern WA Fairmont (T272)	880	14	61			1/ 805	
		Check No. 47	326.77	Mojave Water Agency Fairmont (T272)	82						
20A	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	73	73					
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed						
20A	49	Check No. 48	330.82			2,488	119				
		Check No. 49	335.93								
20B	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	2,488	2,488	119				
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	119						
20B	51		340.92	AVEK WA-Temp (T387)	0	25				2/ 1,467	
		Check No. 50	341.51								
20B	52		342.06	AVEK WA-Temp (T386)	0	78					
		Check No. 51	342.07								
20B	53		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0	78					
		Check No. 52	343.74								
21	53		346.98	Palmdale WD (T276) Temp.	1,492	78					
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	78						
21	57	Check No. 53	348.17			88					
			349.52	Palmdale WD (T394) Temp.	0						
21	54	Check No. 54	350.25			321					
		Check No. 55	352.70								
21	56	Check No. 56	354.76			321					
			354.97	AVEK WA-Delivered through Littlerock Creek ID (T278)	0						
22A	57		354.97	Palmdale WD (T276)	0	88					
			354.97	Palmdale WD (T391)	0						
22A	58	Check No. 57	356.93			321					
			357.60	AVEK 95th Street East (T279)	88						
22A	58		357.72	AVEK 96th Street East (T280)	0	321					
			359.76	AVEK East Side Treatment Plant (T281)	321						

1/ Table A Exchange from Littlerock ID to Antelope Valley East-Kern WA.

2/ Transfer of Table A Water from Butte County to Palmdale WD.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

October 2008

(In acre-feet)

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Recre-ation	Dry Purchase	Recovery 1/	Article 56C	Other	
	No.	Structure	Mile								
22B	58	Pearblossom Pumping Plant	360.61	41,493	28	8	1,888	2/ 204	129	3/ 2,426	
	59	Check No. 59	366.09								
	60		366.50	AVEK Big Rock Siphon (T368) 0							
	Check No. 60		373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282) 28							
	Check No. 63										
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
23	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284) 1,888							
	Check No. 66		403.41								
24	Mojave Siphon	405.58		Las Flores Ranch Exchange 204	4/ 9,380	40	1,333	1,487	168	32,426	
	Mojave Siphon Powerplant	405.65		39,736							
25	Silverwood Lake	407.65	MWA CS DAM (T288)	0							
			California State Park								
			Silverwood (T288)	8							
			Crestline-Lake Arrowhead WA State Project Water (T289)	129							
			Non-Project Water (T289)	0							
26A	San Bernardino Intake Tunnel			40,761							
	Devil Canyon Powerplant	412.73		40,761							
28G	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)	0							
			MWD-Rialto (T293)	1,333							
			Desert Water Agency Transfer (T293)	5,979							
			Coachella Valley WD Transfer (T293)	8,606							
			MWD EBX-1 (T290)	0							
			MWD EBX-1 (T291)	0							
			East Branch Extension	9,380							
			San Bernardino Valley MWD	40							
28H	Santa Ana Valley Pipeline	425.46			925	168	3,504	1,487	32,426	3/ 2,426	
		433.06	MWD-SC Box Springs (T295)	3,103							
			Desert Water Agency Transfer (T295)	1,447							
		440.05	Coachella Valley WD Transfer (T295)	3,504							
28J	Lake Perris		MWD-SC Perris Bypass Pipeline (T296)	925							
		442.00	MWD-SC (T297)	168							
		443.44	MWD-SC 54" & 78" (T299)	0							
			Calif. State Park Lake Perris Recreation (T298)	0							
			MWD Total:	85,551	28,574	0	3,533	21,018	0	32,426	

1/ Arvin Edison Recovery.

2/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

3/ Conveyance of non-project water from Kern County WA to Desert WA.

4/ Includes 2,940 AF to San Gabriel Valley MWD, 5,960 AF to San Bernardino Valley MWD, and 480 AF to San Gorgonio Pass WA.

Table 32. Water Quality At Selected SWP Locations

October 2008

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO ₃	47	94	84	80	87	84	79	79	76
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.003	0.003	0.003	0.004	0.005	0.005	0.004
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.03	0.30	0.40	0.32	0.35	0.31	0.25	0.22
Calcium	mg/l	10	16	21	18	22	21	25	29	25
Chloride	mg/l as C	NR	2.4	2.6	2.7	2.9	3.0	2.3	1.2	2.3
Chromium	mg/l as C	NR	2.6	3.0	2.9	3.0	3.0	2.3	1.2	2.4
Copper	mg/l	1	14	93	107	101	109	94	61	71
Fluoride	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001
Hardness	mg/l	<0.001	0.003	0.002	0.002	0.001	0.001	0.002	0.001	0.002
Iron	mg/l	<0.1	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/l as CaCO ₃	46	89	118	111	121	118	112	95	104
Magnesium	mg/l	<0.005	<0.005	0.006	0.007	<0.005	<0.005	<0.005	0.005	<0.005
Manganese	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrate + Nitrite	mg/l	5	12	16	16	16	16	12	5	10
Organic Carbon, Dissolved	mg/l	<0.005	0.010	<0.005	0.058	0.006	<0.005	<0.005	0.067	<0.005
Organic Carbon, Total	mg/l as N	<0.01	0.31	NR	0.20	0.27	0.20	0.51	1.20	0.54
Phosphate-Ortho	mg/l as P	<0.01	0.08	NR	0.08	0.09	0.10	NR	0.01	0.06
Phosphorus-Total	mg/l	0	0.13	NR	0.10	0.11	0.12	0.08	0.03	0.07
Selenium	mg/l	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	4	20	62	67	67	70	66	52	58
Specific Conductance	µS/cm	100	261	531	557	564	568	540	465	476
Sulfate	mg/l	2	15	34	27	36	35	43	44	43
Total Dissolved Solids	mg/l	62	147	291	308	312	313	301	270	267
Turbidity	NTU	2	30	5	4	3	2	5	3	2
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

October 2008

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Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millisiemens/cm								Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md
1	5.77	3.94	2,621	4,389	3,668	3.51	10.16	1.63	1.44	1.11	1.13	0.57	0.55	0.51	204
2	5.83	4.04	2,648	4,328	3,394	3.77	10.58	1.70	1.47	1.12	1.12	0.57	0.53	0.48	200
3	6.04	4.16	2,396	4,282	3,078	4.19	11.47	1.91	1.51	1.27	1.12	0.55	0.55	0.47	198
4	6.09	4.39	2,513	4,250	3,177	4.76	12.28	2.34	1.57	1.39	1.13	0.55	0.66	0.46	197
5	5.88	4.29	3,429	4,255	3,402	4.52	11.85	2.10	1.61	1.32	1.14	0.56	0.76	0.46	201
6	5.44	4.09	4,040	4,261	3,702	3.79	10.17	1.45	1.62	1.19	1.15	0.54	0.71	0.46	183
7	5.17	3.84	4,146	4,249	3,757	3.41	9.70	1.32	1.63	1.06	1.14	0.55	0.67	0.46	189
8	5.30	3.89	4,014	4,239	4,027	3.57	10.29	1.29	1.63	1.07	1.15	0.55	0.64	0.44	179
9	5.05	3.79	3,649	4,225	3,791	3.77	10.15	1.13	1.61	1.05	1.14	0.56	0.62	0.41	178
10	4.85	3.53	3,142	4,166	3,736	3.42	10.64	1.03	1.59	1.02	1.14	0.52	0.64	0.40	173
11	4.92	3.43	3,076	4,078	3,724	3.06	10.59	0.95	1.56	0.99	1.13	0.50	0.65	0.40	175
12	4.81	3.31	3,459	3,985	3,645	2.95	10.51	1.09	1.53	0.99	1.13	0.50	0.66	0.38	170
13	5.02	3.29	4,099	3,905	3,465	3.32	10.70	1.38	1.50	1.01	1.12	0.52	0.67	0.36	166
14	5.40	3.47	3,796	3,810	3,388	3.89	11.37	1.81	1.51	1.06	1.12	0.52	0.65	0.33	165
15	5.80	3.68	3,838	3,723	3,397	4.63	12.53	2.20	1.55	1.19	1.12	0.51	0.65	0.32	155
16	5.98	3.81	3,327	3,648	3,131	5.07	12.88	2.57	1.61	1.32	1.14	0.49	0.63	0.31	152
17	6.17	3.91	1,856	3,540	2,604	5.55	13.25	3.00	1.69	1.52	1.16	0.47	0.60	0.28	145
18	6.38	4.17	1,516	3,431	2,514	6.27	14.35	3.73	1.79	1.89	1.19	0.48	0.53	0.28	142
19	6.25	4.29	1,465	3,316	2,164	6.32	15.12	4.03	1.93	1.97	1.24	0.47	0.51	0.27	142
20	5.77	4.02	2,465	3,250	2,776	5.63	13.93	3.35	2.06	1.71	1.27	0.47	0.53	0.26	128
21	5.26	3.66	2,991	3,205	3,128	4.83	11.84	2.43	2.14	1.41	1.30	0.48	0.58	0.25	127
22	5.02	3.45	3,116	3,156	3,220	4.62	11.53	2.31	2.22	1.31	1.32	0.48	0.60	0.25	124
23	5.06	3.52	2,845	3,104	3,055	5.08	12.24	2.62	2.32	1.39	1.34	0.49	0.72	0.24	127
24	5.03	3.51	2,968	3,081	2,963	5.51	12.78	2.82	2.45	1.54	1.38	0.50	0.69	0.24	125
25	5.10	3.56	2,808	3,062	2,971	5.79	12.98	3.03	2.60	1.47	1.41	0.50	0.72	0.24	128
26	5.38	3.67	2,642	3,029	2,788	6.18	13.42	3.22	2.75	1.73	1.46	0.50	0.69	0.24	131
27	5.67	3.84	2,781	3,003	2,809	6.49	14.36	3.83	2.92	1.90	1.53	0.51	0.71	0.24	128
28	5.63	3.76	2,590	2,982	2,515	6.34	13.86	3.56	3.05	1.89	1.59	0.52	0.76	0.25	132
29	5.72	3.81	3,202	3,001	2,896	6.31	13.58	3.43	3.14	1.93	1.64	0.50	0.80	0.26	130
30	6.05	4.03	3,100	3,018	2,901	6.83	13.93	3.79	3.22	2.17	1.70	0.49	0.81	0.26	131
31	6.1	4.26	5,525	3,115	3,496	7.19	14.31	4.17	3.31	2.48	1.77	0.51	0.82	0.26	131

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

October 2008

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 17, 2008	Atrazine	0.11
California Aqueduct At Banks Pumping Plant	June 18, 2008	Diuron Metolachlor Simazine	0.25 0.20 0.02
O'Niell Forebay Outlet Check 13	June 18, 2008	Diuron Simazine	0.27 0.03
Delta Mendota Canal At McCabe Road	June 18, 2008	Diuron Metolachlor	0.29 0.10
California Aqueduct Near Kettleman City (Check 21)	June 17, 2008	Diuron Simazine	0.27 0.03
California Aqueduct At Near Highway 119 (Check 29)	June 17, 2008	Simazine	0.03
California Aqueduct at Tehachapi Afterbay (Check 41)	June 18, 2008	Diuron Simazine	0.25 0.03
California Aqueduct At Devil Canyon Headworks	June 18, 2008	Diuron Simazine	0.40 0.10

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)		October 2008						
Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	714,680	0	48,480	48,970	331,660	331,660	350,830	390
2	735,690	0	43,620	46,650	326,990	326,990	355,400	480
3	1,521,630	0	39,010	45,610	337,760	337,760	348,560	550
4	2,143,280	0	42,330	45,550	334,640	334,640	281,770	520
5	1,937,010	0	37,650	44,720	325,940	325,940	308,710	550
6	1,198,760	0	34,370	43,910	369,270	369,270	306,230	540
7	1,524,040	820	32,600	45,450	329,540	329,540	300,260	500
8	720,830	3,480	32,910	44,470	325,980	325,980	336,700	460
9	1,252,610	3,090	31,730	44,450	324,670	324,670	359,040	4,530
10	2,100,600	3,260	38,070	48,420	334,330	334,330	392,610	6,920
11	310,270	5,610	39,160	47,500	324,000	324,000	381,870	6,880
12	410,460	2,320	39,170	47,720	476,580	476,580	384,190	6,890
13	748,180	2,100	38,360	46,880	321,680	321,680	344,270	6,920
14	900,490	3,080	31,500	42,490	322,440	322,440	318,860	6,880
15	1,401,310	3,090	10,180	16,920	319,300	319,300	307,660	7,000
16	239,790	7,030	15,780	20,490	362,680	362,680	341,080	7,100
17	821,370	2,970	34,160	27,860	348,180	348,180	388,520	7,150
18	1,439,320	3,850	44,530	32,040	322,390	322,390	401,700	7,140
19	1,045,200	830	43,270	31,780	319,230	319,230	394,180	7,110
20	2,193,310	2,810	33,820	30,060	323,290	323,290	428,980	7,090
21	1,568,090	0	39,530	26,660	319,230	319,230	356,050	2,660
22	1,871,060	0	41,270	27,560	318,970	318,970	343,040	610
23	2,300,990	0	41,870	26,640	318,590	318,590	382,160	550
24	1,537,730	80	40,910	25,500	233,960	233,960	390,590	530
25	1,428,450	0	43,300	28,290	232,690	232,690	380,400	530
26	1,126,390	0	34,910	23,980	240,890	240,890	333,430	600
27	2,177,590	0	34,500	23,510	242,780	242,780	337,590	670
28	2,873,400	0	41,530	29,280	242,120	242,120	326,850	740
29	3,111,210	0	40,520	27,890	241,780	241,780	291,280	690
30	2,401,700	0	41,230	27,110	243,770	243,770	280,620	750
31	1,968,650	0	34,250	26,510	240,900	240,900	276,290	810
Total	45,724,090	44,420	1,144,520	1,094,870	9,656,230	9,656,230	10,729,720	94,740

Table 36. San Luis Field Division Energy Data**October 2008**

(in kWh)

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	600,160	536,160	288,300	288,300	209,900	9,900
2	660,200	596,200	190,830	190,830	205,930	5,930
3	604,150	540,150	136,650	136,650	10,600	10,600
4	609,430	545,430	134,330	134,330	13,560	13,560
5	845,450	773,450	501,230	501,230	8,900	8,900
6	497,350	433,350	162,190	162,190	14,810	14,810
7	391,470	327,470	210,240	210,240	160,590	10,590
8	313,610	249,610	286,900	286,900	589,410	-210,590
9	560,670	496,670	285,900	285,900	964,570	-35,430
10	527,030	463,030	124,140	124,140	597,990	-2,010
11	566,230	502,230	221,870	221,870	677,920	27,920
12	884,160	764,160	283,230	283,230	593,250	-6,750
13	499,690	379,690	231,600	231,600	449,560	-440
14	369,930	249,930	363,980	363,980	420,190	-4,810
15	329,050	209,050	260,510	260,510	424,280	-720
16	337,490	217,490	102,540	102,540	306,990	6,990
17	341,140	221,140	0	0	167,570	167,570
18	330,990	210,990	0	0	507,770	507,770
19	635,230	515,230	0	0	580,230	580,230
20	317,670	197,670	0	0	555,570	555,570
21	213,720	93,720	0	0	450,980	450,980
22	257,790	137,790	0	0	312,700	312,700
23	282,070	90,070	0	0	552,400	552,400
24	285,270	93,270	0	0	556,570	556,570
25	331,380	139,380	0	0	555,470	555,470
26	569,210	353,210	0	0	314,490	314,490
27	286,820	94,820	0	0	403,030	403,030
28	244,230	52,230	0	0	406,170	406,170
29	166,680	-25,320	0	0	599,130	599,130
30	150,040	-41,960	0	0	603,450	603,450
31	119,740	-72,260	0	0	604,370	604,370
Total	13,128,050	9,344,050	3,784,440	3,784,440	12,818,350	7,018,350

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

October 2008

(in kWh)

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	30,070	75,420	55,510	51,300	55,610	802,860	802,630	1,775,450	6,531,730
2	33,790	84,960	42,660	40,150	43,840	794,090	804,350	1,759,440	6,425,410
3	29,230	74,120	35,310	32,600	35,630	694,700	741,830	1,606,330	5,830,970
4	41,560	105,810	40,720	37,980	40,740	711,960	757,910	1,689,590	6,172,790
5	39,010	99,870	40,680	37,220	42,060	1,392,090	1,642,180	3,627,790	13,588,940
6	30,900	76,640	28,950	26,940	30,030	714,590	794,180	1,722,460	6,265,730
7	27,730	69,970	40,960	38,000	41,330	493,310	490,960	1,083,640	3,848,610
8	26,510	64,980	32,890	30,940	32,410	354,180	391,590	843,940	2,893,160
9	21,820	57,060	36,750	32,880	37,330	741,070	793,030	1,726,030	6,468,550
10	17,990	43,090	40,360	38,490	41,170	873,530	920,260	2,032,800	7,441,900
11	11,960	31,820	38,290	36,250	38,560	833,920	897,910	1,983,120	7,380,450
12	26,660	70,190	45,000	41,570	46,370	1,638,230	1,927,370	4,288,900	15,904,840
13	18,270	47,020	29,690	27,770	30,620	743,030	837,370	1,771,760	6,313,300
14	17,130	47,180	30,690	28,000	30,990	617,210	634,860	1,392,770	5,217,780
15	24,220	59,780	49,610	46,800	49,880	458,380	480,070	1,060,630	3,685,010
16	21,190	55,880	43,140	40,660	45,660	409,180	419,450	889,920	3,241,030
17	17,150	43,480	40,820	38,320	41,760	383,760	405,110	897,480	3,270,700
18	26,560	69,360	47,360	44,040	47,130	407,410	470,080	1,038,800	3,835,080
19	23,420	62,160	37,540	35,290	37,610	1,152,930	1,373,950	3,099,290	11,272,720
20	20,780	50,270	27,250	25,030	27,190	433,680	422,620	893,570	3,173,660
21	23,210	58,340	33,940	32,120	35,400	383,890	405,920	830,790	2,830,190
22	26,030	67,640	43,090	39,560	41,340	454,920	476,900	964,370	3,381,210
23	16,070	40,900	63,330	58,640	63,110	473,260	458,840	922,050	3,302,830
24	15,030	38,180	27,560	25,070	27,570	410,580	439,180	934,420	3,362,960
25	11,770	29,530	42,950	41,050	43,360	412,860	400,040	891,470	3,297,650
26	11,570	28,230	31,960	25,120	26,600	1,122,640	1,380,000	3,085,580	11,543,610
27	4,750	12,880	40,090	36,110	38,870	509,560	459,750	994,640	3,572,670
28	0	1,800	810	900	770	487,900	490,230	1,043,270	3,747,440
29	0	1,780	0	0	0	395,600	389,110	862,870	3,182,790
30	0	1,820	0	0	0	382,410	393,740	822,630	2,796,310
31	0	1,760	0	0	0	358,490	407,310	887,440	3,305,880
Total	614,380	1,571,920	1,067,910	988,800	1,072,940	20,042,220	21,708,730	47,423,240	173,085,900

Table 38. Southern Field Division Energy Data

(in kWh)

October 2008

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	281,376	680,930	1,440,000	0	848,973	1,750,653	96,776	47,280	61,633	4,071
2	390,733	947,750	1,440,000	0	906,580	1,491,475	100,841	47,466	62,318	2,692
3	319,010	949,270	1,440,000	0	814,835	1,733,317	81,359	50,324	66,138	497
4	321,436	948,180	1,440,000	0	746,760	1,745,471	72,360	49,725	65,889	422
5	781,574	950,390	1,440,000	0	2,002,622	1,659,553	205,261	46,062	61,603	413
6	345,861	948,840	1,440,000	445	584,676	1,637,203	65,932	38,224	48,993	497
7	377,208	946,830	1,440,000	0	0	1,654,203	0	38,578	49,181	516
8	293,228	949,990	1,440,000	35,235	578	1,818,246	0	47,771	62,109	4,192
9	339,317	946,280	1,440,000	184,978	1,198,644	1,548,724	114,794	50,344	66,167	3,611
10	345,059	947,930	1,440,000	226,760	1,140,728	1,949,921	129,816	49,882	65,969	450
11	336,277	933,490	1,440,000	229,391	1,220,249	1,818,434	138,479	47,545	62,953	394
12	768,950	948,480	1,440,000	325,603	2,557,418	2,001,741	266,614	36,771	48,864	394
13	304,010	399,470	624,000	160,453	1,027,906	2,222,013	104,757	37,527	48,874	403
14	281,238	405,160	624,000	169,442	1,023,719	1,770,975	121,341	37,674	49,013	413
15	99,366	353,790	624,000	128,748	740,867	1,948,774	74,021	47,555	61,980	3,799
16	101,178	386,450	624,000	109,523	555,533	2,208,544	60,255	48,831	63,389	3,217
17	83,465	389,600	624,000	133,742	674,526	1,725,900	75,771	37,252	49,132	488
18	101,762	393,370	624,000	97,112	534,816	1,719,403	59,148	36,898	49,072	488
19	350,059	394,890	624,000	330,469	2,077,119	1,168,107	229,292	36,692	49,033	469
20	88,594	393,180	624,000	119,175	732,014	1,602,551	84,751	36,604	49,033	506
21	140,535	398,870	624,000	97,251	551,934	1,453,085	63,143	36,771	49,172	478
22	104,069	398,890	624,000	125,821	668,814	1,538,172	77,057	33,736	44,846	2,739
23	101,218	406,380	624,000	113,736	759,900	1,292,267	74,674	24,553	32,295	2,364
24	101,713	408,660	624,000	131,497	712,243	1,442,128	77,146	27,617	32,364	478
25	102,317	377,000	624,000	113,331	604,845	1,268,701	67,909	19,967	14,783	488
26	367,545	0	624,000	312,362	1,764,646	1,196,648	171,855	9,311	655	497
27	213,168	0	628,000	163,024	706,361	1,517,890	83,722	27,097	29,636	553
28	117,228	0	628,000	135,235	730,189	1,394,047	95,609	25,309	33,158	2,035
29	6,287	233,300	628,000	137,688	828,036	1,498,902	91,090	24,789	32,850	2,082
30	29,584	581,410	628,000	102,690	697,677	1,119,343	73,180	24,406	32,632	553
31	115,624	615,810	628,000	151,998	707,677	1,070,639	80,212	33,432	44,350	497
Total	7,708,990	17,634,590	29,156,000	3,835,710	28,120,887	49,967,029	3,037,164	1,155,991	1,488,084	40,696

/1 Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations